FOREIGN PATENT DOCUMENT

FIG.1

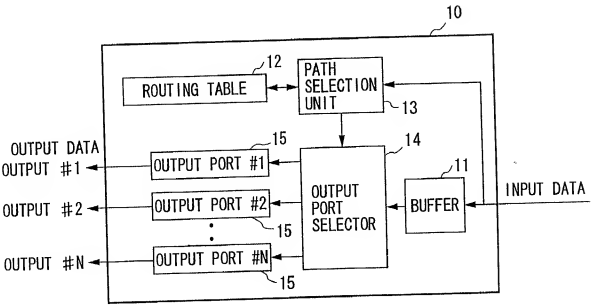
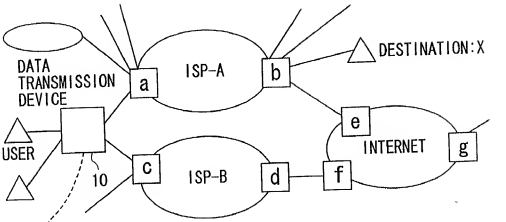
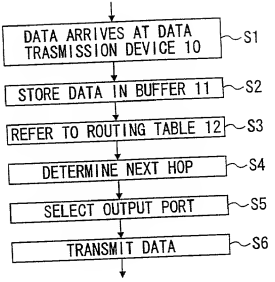


FIG.2



DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	PRIORITY ROUTE
ISP-A	NET	a	1	*
ISP-B	NET	c	2	*
X	HOST	a	1	*
INTERNET	NET	a c	1 2	*

FIG.3


DATA ARRIVES AT DATA TRASMISSION DEVICE 10
S1
STORE DATA IN BUFFER 11
S2
REFER TO ROUTING TABLE 12
S3
DETERMINE NEXT HOP
S4
SELECT OUTPUT PORT
S5
TRANSMIT DATA
S6

EP 2 685 760 A1

FIG.4

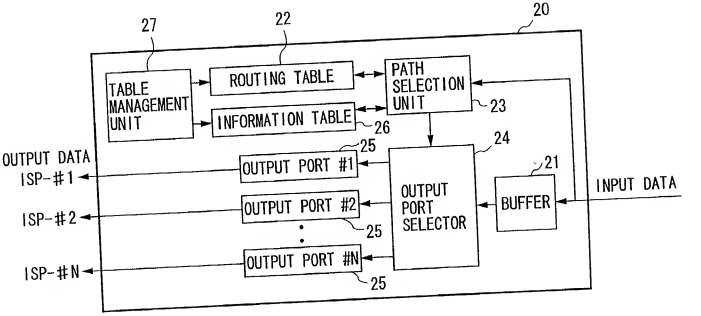


FIG.5A

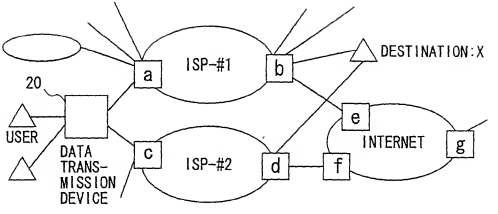


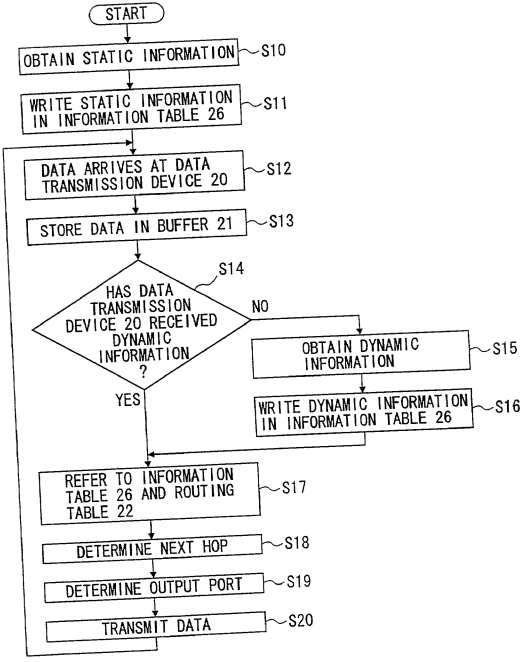
FIG.5B

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	MOST APPROPRIATE ROUTE
ISP-#1	NET	a	1	
ISP-#2	NET	c	2	
X	HOST	a	1	*
		c	2	
INTERNET	NET	a	1	*
		c	2	

FIG.5C

DESTINATION	"VIA" NETWORK	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION
X	ISP-#1	2	1
	ISP-#2	10	1

FIG.6


START
OBTAIN STATIC INFORMATION
S10
WRITE STATIC INFORMATION IN INFORMATION TABLE 26
S11
DATA ARRIVES AT DATA TRANSMISSION DEVICE 20
S12
STORE DATA IN BUFFER 21
S13
S14
HAS DATA TRANSMISSION DEVICE 20 RECEIVED DYNAMIC INFORMATION ?
NO
YES
OBTAIN DYNAMIC INFORMATION
S15
WRITE DYNAMIC INFORMATION IN INFORMATION TABLE 26
S16
REFER TO INFORMATION TABLE 26 AND ROUTING TABLE 22
S17
DETERMINE NEXT HOP
S18
DETERMINE OUTPUT PORT
S19
TRANSMIT DATA
S20

TRANSLATION

FIG.7

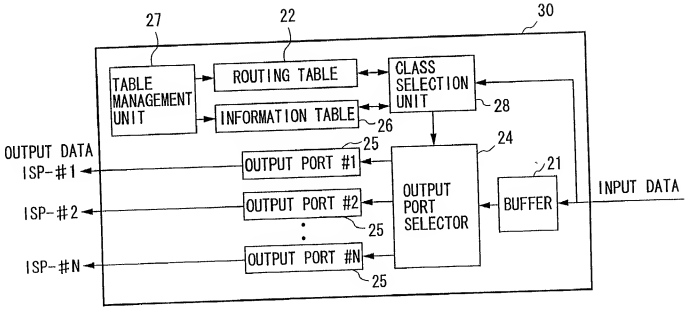


FIG.8A

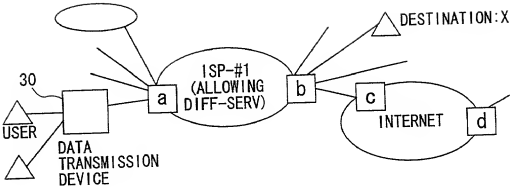

DESTINATION:X
30
ISP-#1
(ALLOWING
DIFF-SERV)
a
b
c
d
INTERNET
USER
DATA
TRANSMISSION
DEVICE

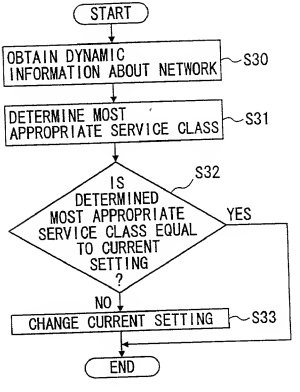
FIG.8B

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE	
					SPEED	FEE
ISP-#1	NET	a	1		*	*
X	HOST	a	1	EF-PHB AF-PHB BEST EFFORT	*	*
INTERNET	NET	a	1	EF-PHB AF-PHB BEST EFFORT	*	*

FIG.8C

DESTINATION	SERVICE CLASS	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION	VALUE FOR SPEED AS FIRST PRIORITY	VALUE FOR FEE AS FIRST PRIORITY
X	EF-PHB	1	20	22.1	46.4
	AF-PHB	4	10	20.9	27.4
	BEST EFFORT	20	1	57.0	26.2

FIG.9


START
OBTAIN DYNAMIC INFORMATION ABOUT NETWORK
S30
DETERMINE MOST APPROPRIATE SERVICE CLASS
S31
IS DETERMINED MOST APPROPRIATE SERVICE CLASS EQUAL TO CURRENT SETTING ?
S32
YES
NO
CHANGE CURRENT SETTING
S33
END

JP 2002-252650

FIG.10A

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE	
					SPEED	FEE
ISP-#1	NET	a	1		*	*
X	HOST	a	1	EF-PHB AF-PHB BEST EFFORT	*	*
INTERNET	NET	a	1	EF-PHB AF-PHB BEST EFFORT	*	*

FIG.10B

DESTINATION	SERVICE CLASS	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION	VALUE FOR SPEED AS FIRST PRIORITY	VALUE FOR FEE AS FIRST PRIORITY
X	EF-PHB	2	20	21.3	46.0
	AF-PHB	20	10	29.1	30.9
	BEST EFFORT	50	1	49.6	23.1

FIG.11

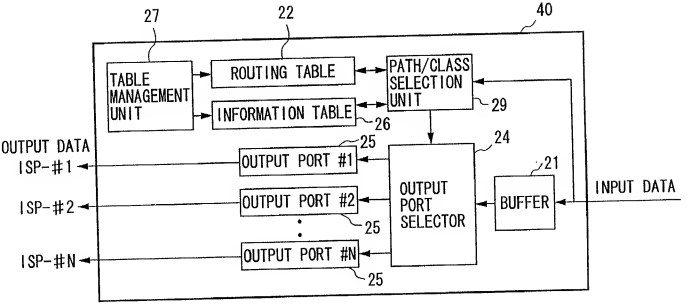
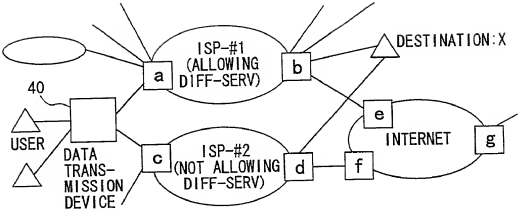

27
22
40
TABLE MANAGEMENT UNIT
ROUTING TABLE
INFORMATION TABLE
26
PATH/CLASS SELECTION UNIT
29
OUTPUT DATA
ISP-#1
ISP-#2
ISP-#N
OUTPUT PORT #1
OUTPUT PORT #2
OUTPUT PORT #N
25
25
25
24
OUTPUT PORT SELECTOR
21
BUFFER
INPUT DATA

FIG.12A


ISP-#1
(ALLOWING
DIFF-SERV)
a
b
DESTINATION:X
40
USER
DATA
TRANS-
MISSION
DEVICE
c
ISP-#2
(NOT ALLOWING
DIFF-SERV)
d
e
f
INTERNET
g

FOREIGN 52652260

FIG.12B

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE	
					SPEED	FEE
ISP-#1	NET	a	1	–	*	*
ISP-#2	NET	c	2	–	*	*
X	HOST	a	1	EF-PHB AF-PHB BEST EFFORT	*	
		c	2	BEST EFFORT		*
INTERNET	NET	a	1	EF-PHB AF-PHB BEST EFFORT	*	
		c	2	BEST EFFORT		*

FIG.12C

DESTINATION	"VIA" NETWORK	SERVICE CLASS	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION	VALUE FOR SPEED AS FIRST PRIORITY	VALUE FOR FEE AS FIRST PRIORITY
X	ISP-#1	EF-PHB	1	20	20.2	43.3
		AF-PHB	4	10	17.1	24.6
		BEST EFFORT	20	1	40.9	19.3
	ISP-#2	(BEST EFFORT)	10	2	21.8	12.8

FOREIGN PATENT DOCUMENT

FIG.13A

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE	
					SPEED	FEE
ISP-#1	NET	a	1	–	*	*
ISP-#2	NET	c	2	–	*	*
X	HOST	a	1	EF-PHB AF-PHB BEST EFFORT		
		c	2	BEST EFFORT	*	*
INTERNET	NET	a	1	EF-PHB AF-PHB BEST EFFORT		
		c	2	BEST EFFORT	*	*

FIG.13B

DESTINATION	"VIA" NETWORK	SERVICE CLASS	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION	VALUE FOR SPEED AS FIRST PRIORITY	VALUE FOR FEE AS FIRST PRIORITY
X	ISP-#1	EF-PHB	2	20	20.3	43.3
		AF-PHB	10	10	19.5	25.7
		BEST EFFORT	40	1	42.7	20.0
	ISP-#2	(BEST EFFORT)	15	2	17.5	11.0

FIG.14

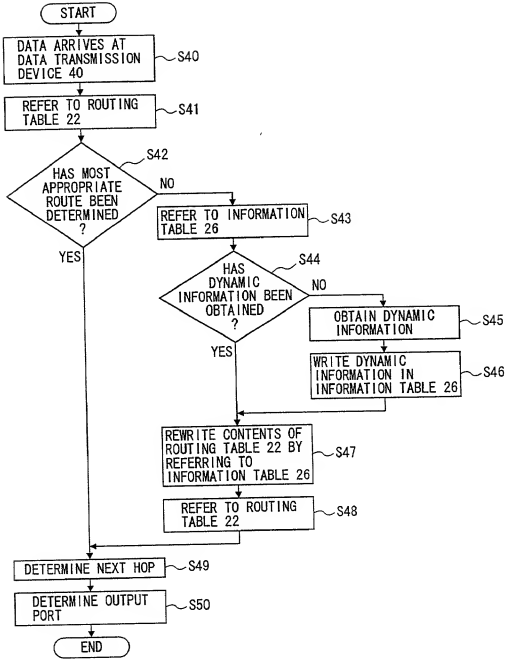

START
DATA ARRIVES AT DATA TRANSMISSION DEVICE 40
S40
REFER TO ROUTING TABLE 22
S41
HAS MOST APPROPRIATE ROUTE BEEN DETERMINED ?
S42
NO
YES
REFER TO INFORMATION TABLE 26
S43
HAS DYNAMIC INFORMATION BEEN OBTAINED ?
S44
NO
YES
OBTAIN DYNAMIC INFORMATION
S45
WRITE DYNAMIC INFORMATION IN INFORMATION TABLE 26
S46
REWRITE CONTENTS OF ROUTING TABLE 22 BY REFERRING TO INFORMATION TABLE 26
S47
REFER TO ROUTING TABLE 22
S48
DETERMINE NEXT HOP
S49
DETERMINE OUTPUT PORT
S50
END

FIG.15

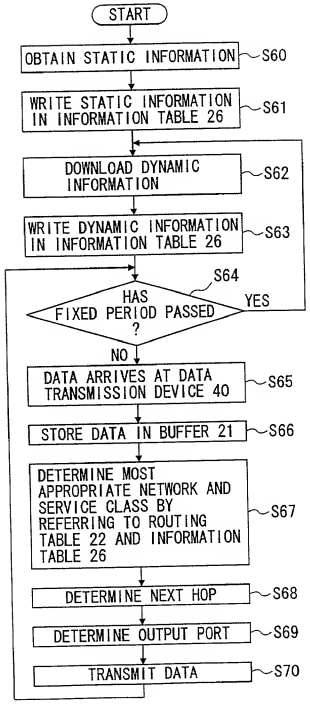

START
OBTAIN STATIC INFORMATION
S60
WRITE STATIC INFORMATION IN INFORMATION TABLE 26
S61
DOWNLOAD DYNAMIC INFORMATION
S62
WRITE DYNAMIC INFORMATION IN INFORMATION TABLE 26
S63
S64
HAS FIXED PERIOD PASSED ?
YES
NO
DATA ARRIVES AT DATA TRANSMISSION DEVICE 40
S65
STORE DATA IN BUFFER 21
S66
DETERMINE MOST APPROPRIATE NETWORK AND SERVICE CLASS BY REFERRING TO ROUTING TABLE 22 AND INFORMATION TABLE 26
S67
DETERMINE NEXT HOP
S68
DETERMINE OUTPUT PORT
S69
TRANSMIT DATA
S70

FIG.16

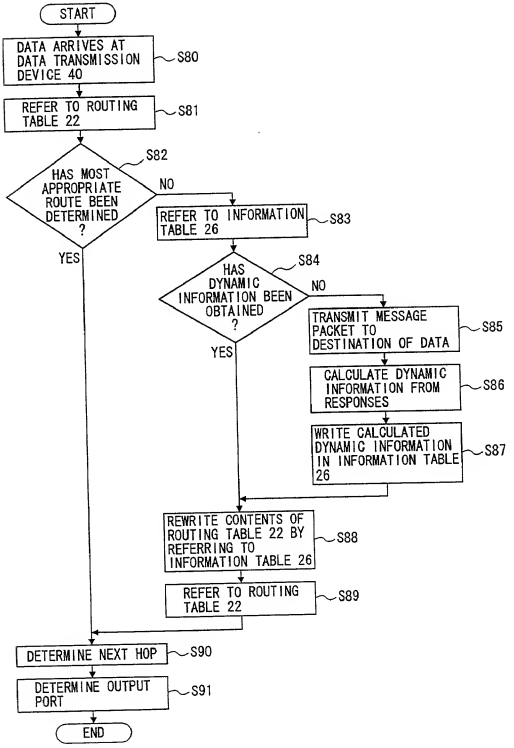
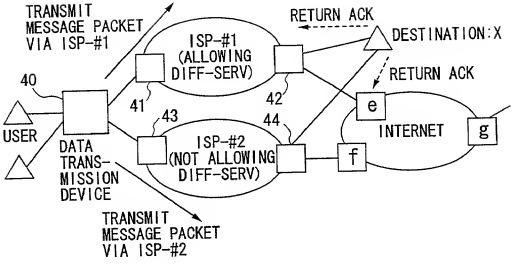

START
DATA ARRIVES AT DATA TRANSMISSION DEVICE 40
S80
REFER TO ROUTING TABLE 22
S81
HAS MOST APPROPRIATE ROUTE BEEN DETERMINED ?
S82
NO
YES
REFER TO INFORMATION TABLE 26
S83
HAS DYNAMIC INFORMATION BEEN OBTAINED ?
S84
NO
YES
TRANSMIT MESSAGE PACKET TO DESTINATION OF DATA
S85
CALCULATE DYNAMIC INFORMATION FROM RESPONSES
S86
WRITE CALCULATED DYNAMIC INFORMATION IN INFORMATION TABLE 26
S87
REWRITE CONTENTS OF ROUTING TABLE 22 BY REFERRING TO INFORMATION TABLE 26
S88
REFER TO ROUTING TABLE 22
S89
DETERMINE NEXT HOP
S90
DETERMINE OUTPUT PORT
S91
END

FIG.17A


TRANSMIT
MESSAGE PACKET
VIA ISP-#1
ISP-#1
(ALLOWING
DIFF-SERV)
RETURN ACK
DESTINATION:X
RETURN ACK
40
41
42
43
44
e
INTERNET
g
USER
DATA
TRANS-
MISSION
DEVICE
ISP-#2
(NOT ALLOWING
DIFF-SERV)
f
TRANSMIT
MESSAGE PACKET
VIA ISP-#2

EP02820 : 52652260

FIG.17B

DESTINATION	"VIA" NETWORK	SERVICE CLASS	MESSAGE-PACKET TRANSMISSION TIME	ACK-MESSAGE RECEPTION TIME	DATA TRANSMISSION TIME	FEE INFORMATION
X	ISP-#1	EF-PHB	19:03:41:347	19:04:01:241	00:00:19:894	20
		AF-PHB	19:03:41:347	19:04:09:530	00:00:28:183	10
		BEST EFFORT	19:03:41:347	19:04:39:911	00:00:58:564	1
	ISP-#2	BEST EFFORT	19:03:41:347	19:04:24:520	00:00:43:173	2

JP2008-52652760

FIG.18

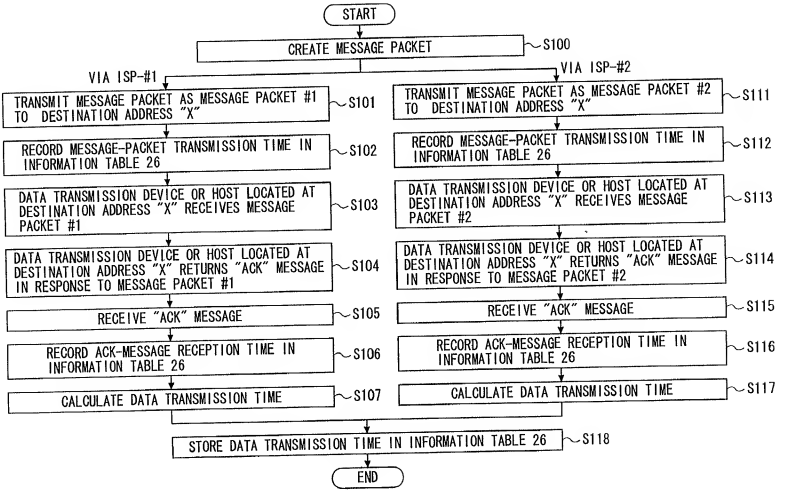
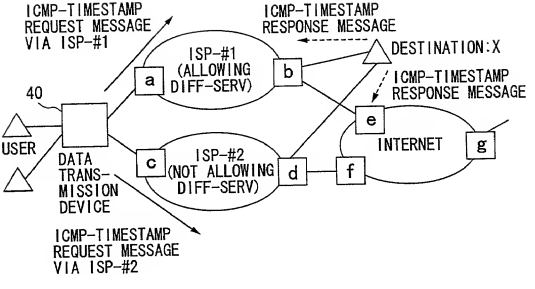


FIG.19A


ICMP-TIMESTAMP
REQUEST MESSAGE
VIA ISP-#1
ICMP-TIMESTAMP
RESPONSE MESSAGE
DESTINATION:X
ISP-#1
(ALLOWING
DIFF-SERV)
a
b
ICMP-TIMESTAMP
RESPONSE MESSAGE
40
e
USER
INTERNET
g
DATA
TRANS-
MISSION
DEVICE
c
ISP-#2
(NOT ALLOWING
DIFF-SERV)
d
f
ICMP-TIMESTAMP
REQUEST MESSAGE
VIA ISP-#2

0977597S.020204

FIG.19B

VERSION	HEADER LENGTH	TOS	PACKET LENGTH
IDENTIFICATION		FLAG	FRAGMENT OFFSET
TTL	PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS			
DESTINATION IP ADDRESS			
OPTION			PADDING
ICMP TYPE = 0D/0E	CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER		SEQUENCE NUMBER	
(ORIGINATE TIMESTAMP)			
(RECEIVE TIMESTAMP)			
(TRANSMIT TIMESTAMP)			

JP2020-527204

FIG.20

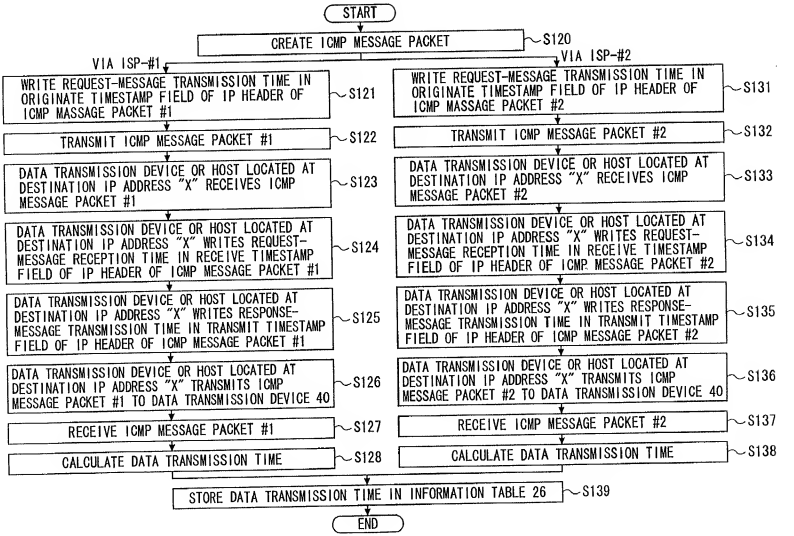


FIG. 21

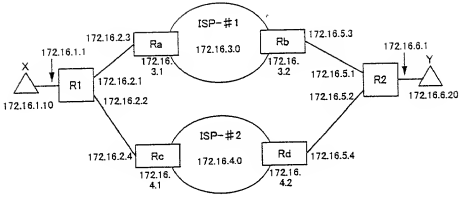

ISP-#1
ISP-#2
Ra
Rb
Rc
Rd
R1
R2
X
Y
172.16.1.1
172.16.1.10
172.16.2.1
172.16.2.2
172.16.2.3
172.16.2.4
172.16.3.0
172.16.3.1
172.16.3.2
172.16.4.0
172.16.4.1
172.16.4.2
172.16.5.1
172.16.5.2
172.16.5.3
172.16.5.4
172.16.6.1
172.16.6.20

FIG.22A

DESTINATION	"VIA" NETWORK	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION
172.16.2.20	ISP-#1	-	1
	ISP-#2	-	1

FIG.22B

DESTINATION IP ADDRESS	HOST/NET	NEXT HOP	OUTPUT PORT	MOST APPROPRIATE ROUTE
172.16.1.10	HOST	-	1	*
172.16.2.3		-	2	*
172.16.2.4		-	3	*
172.16.3.0/24	NET	172.16.2.3	2	*
172.16.4.0/24	NET	172.16.2.4	3	*
172.16.5.0/24	NET	172.16.2.3 172.16.2.4	2 3	
172.16.6.0/24	NET	172.16.2.3 172.16.2.4	2 3	

EP 2 628 320 A1

FIG.23A

VERSION	HEADER LENGTH	TOS	PACKET LENGTH	
IDENTIFICATION			FLAG	FRAGMENT OFFSET
TTL		PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS = 172.16.2.1				
DESTINATION IP ADDRESS = 172.16.6.20				
OPTION TYPE = 10000011		OPTION LENGTH	POINTER	ADDRESS 1 =
172.16.2.1 (R1)				ADDRESS 2 =
172.16.3.1 (Ra)				ADDRESS 3 =
172.16.6.20 (HOST Y)				PADDING
ICMP TYPE = 0D		CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER = DEAD			SEQUENCE NUMBER = 0000	
ORIGINATE TIMESTAMP = 19:03:41:347				
(RECEIVE TIMESTAMP)				
(TRANSMIT TIMESTAMP)				

FIG.23B

VERSION	HEADER LENGTH	TOS	PACKET LENGTH	
IDENTIFICATION			FLAG	FRAGMENT OFFSET
TTL		PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS = 172.16.2.1				
DESTINATION IP ADDRESS = 172.16.6.20				
OPTION TYPE = 10000011		OPTION LENGTH	POINTER	ADDRESS 1 =
172.16.2.1 (R1)				ADDRESS 2 =
172.16.4.1 (Rc)				ADDRESS 3 =
172.16.6.20 (HOST Y)				PADDING
ICMP TYPE = 0D		CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER = DEAE			SEQUENCE NUMBER = 0000	
ORIGINATE TIMESTAMP = 19:03:41:347				
(RECEIVE TIMESTAMP)				
(TRANSMIT TIMESTAMP)				

FIG.24A

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	MOST APPROPRIATE ROUTE
172.16.1.0/24	NET	172.16.2.1	1	*
172.16.2.0/24	NET	–	1	*
172.16.3.0/24	NET	–	2	*
172.16.4.0/24	NET	172.16.2.1	2	*
172.16.5.0/24	NET	172.16.3.2	2	*
172.16.6.0/24	NET	172.16.3.2	2	*

FIG.24B

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	MOST APPROPRIATE ROUTE
172.16.1.0/24	NET	172.16.3.1	1	*
172.16.2.0/24	NET	172.16.3.1	1	*
172.16.3.0/24	NET	–	1	*
172.16.4.0/24	NET	172.16.5.1	2	*
172.16.5.0/24	NET	–	2	*
172.16.6.0/24	NET	172.16.5.1	2	*

FIG.24C

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	MOST APPROPRIATE ROUTE
172.16.1.0/24	NET	172.16.5.3 172.16.5.4	1 2	*
172.16.2.0/24	NET	172.16.5.3 172.16.5.4	1 2	*
172.16.3.0/24	NET	172.16.5.3	1	*
172.16.4.0/24	NET	172.16.5.4	2	*
172.16.5.0/24	NET	–	1	*
172.16.6.20	HOST	–	3	*

EP 2 757 752 A1 20140723

FIG.25A

VERSION	HEADER LENGTH	TOS	PACKET LENGTH	
IDENTIFICATION			FLAG	FRAGMENT OFFSET
TTL		PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS = 172.16.6.20				
DESTINATION IP ADDRESS = 172.16.2.1				
ICMP TYPE = 0E		CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER = DEAD			SEQUENCE NUMBER = 0000	
ORIGINATE TIMESTAMP = 19:03:41:347				
RECEIVE TIMESTAMP = 19:04:01:241				
TRANSMIT TIMESTAMP = 19:04:01:583				

FIG.25B

DESTINATION	"VIA" NETWORK	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION
Y	ISP-#1	00:00:19:894	1
	ISP-#2	00:00:28:183	1

FIG.25C

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	MOST APPROPRIATE ROUTE
172.16.1.10	HOST	–	1	*
172.16.2.3		–	2	*
172.16.2.4		–	3	*
172.16.3.0/24	NET	172.16.2.3	2	*
172.16.4.0/24	NET	172.16.2.4	3	*
172.16.5.0/24	NET	172.16.2.3 172.16.2.4	2 3	*
172.16.6.0/24	NET	172.16.2.3 172.16.2.4	2 3	*

FIG.26

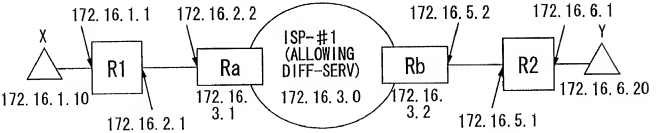

X
172. 16. 1. 1
172. 16. 2. 2
ISP-#1
(ALLOWING
DIFF-SERV)
172. 16. 5. 2
172. 16. 6. 1
Y
R1
Ra
Rb
R2
172. 16. 1. 10
172. 16. 2. 1
172. 16. 3. 1
172. 16. 3. 0
172. 16. 3. 2
172. 16. 5. 1
172. 16. 6. 20

FIG.27A

DESTINATION	SERVICE CLASS	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION	VALUE FOR SPEED AS FIRST PRIORITY	VALUE FOR FEE AS FIRST PRIORITY
172.16.6.20	EF-PHB	-	10		
	AF-PHB	-	5		
	BEST EFFORT	-	1		

FIG.27B

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE
172.16.1.10	HOST	-	1	-	*
172.16.2.0/24	NET	-	2	-	*
172.16.3.0/24	NET	172.16.2.2	2	EF-PHB AF-PHB BEST EFFORT	
172.16.5.0/24	NET	172.16.2.2	2	EF-PHB AF-PHB BEST EFFORT	
172.16.6.0/24	NET	172.16.2.2	2	EF-PHB AF-PHB BEST EFFORT	

JP2020-526260

FIG.28A

VERSION	HEADER LENGTH	EF-PHB	PACKET LENGTH	
IDENTIFICATION			FLAG	FRAGMENT OFFSET
TTL		PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS = 172.16.2.1				
DESTINATION IP ADDRESS = 172.16.6.20				
ICMP TYPE = 0D		CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER = DEAD			SEQUENCE NUMBER = 0000	
ORIGINATE TIMESTAMP = 19:03:41:347				
(RECEIVE TIMESTAMP)				
(TRANSMIT TIMESTAMP)				

FIG.28B

VERSION	HEADER LENGTH	AF-PHB	PACKET LENGTH	
IDENTIFICATION			FLAG	FRAGMENT OFFSET
TTL		PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS = 172.16.2.1				
DESTINATION IP ADDRESS = 172.16.6.20				
ICMP TYPE = 0D		CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER = DEAE			SEQUENCE NUMBER = 0000	
ORIGINATE TIMESTAMP = 19:03:41:347				
(RECEIVE TIMESTAMP)				
(TRANSMIT TIMESTAMP)				

FIG.28C

VERSION	HEADER LENGTH	BEST EFFORT	PACKET LENGTH	
IDENTIFICATION			FLAG	FRAGMENT OFFSET
TTL		PROTOCOL TYPE = 01	HEADER CHECKSUM	
SOURCE IP ADDRESS = 172.16.2.1				
DESTINATION IP ADDRESS = 172.16.6.20				
ICMP TYPE = 0D		CODE (ALWAYS 0)	CHECKSUM	
IDENTIFIER = DEAF			SEQUENCE NUMBER = 0000	
ORIGINATE TIMESTAMP = 19:03:41:347				
(RECEIVE TIMESTAMP)				
(TRANSMIT TIMESTAMP)				

JP2003078550A

FIG.29A

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE
172.16.1.0/24	NET	172.16.2.1	1	-	*
172.16.2.0/24	NET	-	1	-	*
172.16.3.0/24	NET	-	2	EF-PHB AF-PHB BEST EFFORT	
172.16.5.0/24	NET	172.16.3.2	2	EF-PHB AF-PHB BEST EFFORT	
172.16.6.0/24	NET	172.16.3.2	2	EF-PHB AF-PHB BEST EFFORT	

FIG.29B

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE
172.16.1.0/24	NET	172.16.3.1	1	EF-PHB AF-PHB BEST EFFORT	
172.16.2.0/24	NET	172.16.3.1	1	EF-PHB AF-PHB BEST EFFORT	
172.16.3.0/24	NET		1	EF-PHB AF-PHB BEST EFFORT	
172.16.5.0/24	NET		2	-	*
172.16.6.0/24	NET	172.16.5.1	2	-	*

FIG.29C

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE
172.16.1.0/24	NET	172.16.5.2	1	EF-PHB AF-PHB BEST EFFORT	
172.16.2.0/24	NET	172.16.5.2	1	EF-PHB AF-PHB BEST EFFORT	
172.16.3.0/24	NET	172.16.5.2	1	EF-PHB AF-PHB BEST EFFORT	
172.16.5.0/24	NET	–	1		*
172.16.6.20	HOST	–	2		*

FIG.30A

VERSION	HEADER LENGTH	TOS	PACKET LENGTH
IDENTIFICATION		FLAG	FRAGMENT OFFSET
TTL	PROTOCOL TYPE = 01		HEADER CHECKSUM
SOURCE IP ADDRESS = 172.16.20			
DESTINATION IP ADDRESS = 172.16.2.1			
ICMP TYPE = 0E	CODE (ALWAYS 0)		CHECKSUM
IDENTIFIER = DEAD			SEQUENCE NUMBER = 0000
ORIGINATE TIMESTAMP = 19:03:41:347			
RECEIVE TIMESTAMP = 19:04:01:241			
TRANSMIT TIMESTAMP = 19:04:01:583			

FIG.30B

DESTINATION	SERVICE CLASS	MESSAGE-PACKET RETURN PERIOD	FEE INFORMATION	VALUE FOR SPEED AS FIRST PRIORITY	VALUE FOR FEE AS FIRST PRIORITY
172.16.6.20	EF-PHB	00:00:19:894	20	32.4	50.8
	AF-PHB	00:00:28:183	10	28.2	30.5
	BEST EFFORT	00:00:58:564	1	39.4	18.7

FIG.30C

DESTINATION	HOST/NET	NEXT HOP	OUTPUT PORT	SERVICE CLASS	MOST APPROPRIATE ROUTE	
					SPEED	FEE
172.16.1.10	HOST	–	1	–	*	*
172.16.2.0/24	NET	–	2	–	*	*
172.16.3.0/24	NET	172.16.2.2	2	EF-PHB AF-PHB BEST EFFORT		
172.16.5.0/24	NET	172.16.2.2	2	EF-PHB AF-PHB BEST EFFORT1	*	
172.16.6.0/24	NET	172.16.2.2	2	EF-PHB AF-PHB BEST EFFORT1		*